Appendix 1: Composition of the faculty delivering the simulation intervention

Faculty Member	Clinical Background	Role in simulation	Local Simulation Faculty Training	SCSCHF Faculty Development Course	Generic Instructor Course	Regular SBE Involvement
Simulation Fellow	Physician, medical trainee	- Voiced patient - Controlled manikin - Led debrief	Y	Y	N	Y
Pneumonia Specialist Nurse	Critical care nursing	- Observer - Feedback	Y	N	N	N
Resuscitation and simulation officer (RSO)	Critical care nursing	- Confederate role-playing relative - Feedback ***OR***	Y	N	Y	Y
RSO	Emergency department nursing	-Observer -Feedback ***OR***	Y	N	Y	Y
RSO	Paramedic	Overview role to	Y	N	Y	Y
RSO	Paramedic	minimise simulation impact on surrounding clinical environment	Y	N	Y	Y

Table: Composition and simulation-based education (SBE) experience of faculty delivering SBE intervention. Y = yes, N = no for each SBE experience criterion. The simulation fellow was present at each intervention and led all debriefs. The composition of the rest of the faculty was determined by team member availability, with typically a total of four faculty members delivering the scenario. Local simulation faculty training consisted of a one-day introductory training programme in high fidelity simulation and debrief with subsequent mentorship. The Scottish Centre for Simulation and Clinical Human Factors (SCSCHF) Faculty Development Course is a comprehensive two-day faculty training course. [1] The Generic Instructor Course is a two-day course accredited by the Resuscitation Council, which includes training on scenario facilitation and feedback.[2]

References

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[1] Scottish Centre for Simulation and Clinical Human Factor [online]. Faculty Development [accessed 08/10/2017]. Available from: https://scschf.org/faculty-development/

[2] Resuscitation Council (UK) [online]. GIC – generic instructor course. 2014. [accessed 08/10/2017] Available from: https://www.resus.org.uk/information-on-courses/generic-instructor-course/